

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

May et al.

Examiner:

Daniel H. Pan

10/652,134

Group Art Unit:

2185

Filing Date:

8/29/2003

Atty Docket No.:

CML00770D

Title:

Dataflow Graph Compression for Power Reduction in a Vector Processor

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

The undersigned submits herewith patents, publications or other information (enclosed herewith and/or listed on the enclosed list of references form) of which he or she is aware, which he or she believes is relevant and may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR §1.56. The order of listing of the references on the attached form and any appendix hereto is without regard for relative relevance to the present invention.

This	Information Disclosure Statement is submitted:
	under 37 CFR §1.97(a), or
	(Accompanies the new patent application submitted herewith.)
	under 37 CFR 1.97(b), or
•	(Within three months of filing national application; or date of entry of international application; or before mailing date of first office action on the merits; whichever occurs last.)
\boxtimes	under 37 CFR 1.97(c) together with either a:
	Statement under 37 CFR 1.97(e), or
	a \$180.00 fee under 37 CFR 1.17(p), or
	(After the CFR 1.97(b) time period, but before final action or notice of allowance, whichever occurs first.)
	under 37 CFR 1.97(d) together with a:
	☐ Statement under 37 CFR 1.97(e), and
	a \$180.00 fee set forth in 37 CFR 1.17(p).
	(Filed after final action or notice of allowance, whichever occurs first, but before payment of the issue fee.)
	Applicant(s) submit herewith Form PTO 1449-Information Disclosure Citation together with required copies, of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56.
	PRIOR APPLICATIONS References identified with an asterisk (*) in the enclosed PTO Form 1449, were disclosed in prior Patent Application No. , filed , now U.S. Patent No. , and, as such, copies thereof are not included pursuant to the provisions of 37 CFR 1.98(d).

FOREIGN LANGUAGE DOCUMENTS A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO Form 1449, as presently understood by the individual(s) designated in 37 CFR 1.56(c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on Form PTO 1449 and is enclosed herewith.

⋈ FEE AUTHORIZATION

Please see enclosed Credit Card Payment Form for any fees due at this time. At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account **50-0375** pursuant to 37 CFR 1.25.

While the information and references disclosed in this Information Disclosure Statement <u>may</u> be "material" pursuant to 37 CFR §1.56, this statement does not constitute an admission that any patent, publication or other information referred to therein is "prior art" or "material" to this invention or any application for patent for this invention.

In accordance with 37 CFR §1.97, the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that other information that may be material as defined in 37 CFR §1.56 exists. It is submitted that the Information Disclosure Statement is in compliance with 37 CFR §1.97 and §1.98 and MPEP §609. In addition, the Examiner is requested to conduct a thorough independent search in order to bring the best references available forward in this application.

It is requested that the information disclosed herein be made of record in this application.

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Typed Name: Paula Barton

Signature:

Respectfully submitted.

Renee' Michelle Leveque Attorney/Agent for Applicant(s)

Reg. No. 36,193 Date: May 31, 2006

Telephone No.: 301-668-3073

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Daniel H. Pan

Serial No.:

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COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria VA 22313-1450

STATEMENT UNDER 37 CFR 1.97(e)

Sir:

The undersigned hereby certifies that either:

- Each item of information contained in the Information Disclosure Statement was first cited in any Communication from a foreign patent office in a counterpart foreign application, not more than three months prior to the filing of the statement, or
- No item of information contained in the Information Disclosure Statement:

Was cited in a communication from a foreign patent office in a counterpart foreign application, and

To the knowledge of the undersigned, after making reasonable inquiry, was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the Invention Disclosure Statement.

At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account 50-0375 pursuant to 37 CFR 1.25.

Respectfully submitted,

By

Renee' Michelle Leveque

Attorney/Agent for Applicant(s)

Reg. No. 36,193

Date: May 31, 2006

Telephone No. 301-668-3073

PTO/SB/21 (09-04)

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TRANSMITTAL	Application Number		10/652,134	
FORM	Filing Date		8/29/2003	
(to be used for all correspondence after initial	filing)	First Named Inventor		May et al.
		Group Art Unit		2185
		Examiner Name		PAN, Daniel
Total Number of Pages in This Submissi	ion 104	Attorney Docket Numb	per	CML00770D
ENC	CLOSURES	(check all that apply)		
Fee Transmittal Form	Drawing	(s)		After Allowance Communication to TC
Fee Attached	Licensin	g-related Papers		Appeal Communication to Board of Appeals and Interferences
Amendment / Response	Petition			Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
After Final		to Convert to a nal Application		Proprietary Information
Affidavits/declaration(s)		Attorney, Revocation of Correspondence		Status Letter
Extension of Time Request	Termina	I Disclaimer	\boxtimes	Other Enclosure(s) (please identify below):
Express Abandonment Request	Request	t for Refund		 Return receipt postcard. 4 NPL documents
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT				
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This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the needs of the individual case. Any comments on the amount of time your require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, p.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/08A (10-01)

CML00770D

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of

Sheet

Application Number 10/652,134 INFORMATION DISCLOSURE Filing Date 3/29/2003 STATEMENT BY APPLICANT May et al. First Named Inventor (use as many sheets as necessary) Art Unit 2185 **Examiner Name** Daniel H. Pan

Attorney Docket Number

U.S. PATENT DOCUMENTS Document Number Pages, Columns, Lines, Where **Publication Date** Name of Patentee or Examiner Cite Relevant Passages or Relevant MM-DD-YYYY Initials* Applicant of Cited Document Number - Kind Code² (if known) Figures Appear 5,317,734 05-1994 Gupta 6,104,962 08-2000 Sastry 08-2000 6,112,023 Dave et al. 04-2002 6,370,560 Robertazzi et al. 02-2006 7,000,232 Jones et al. 03-2006 7,010,788 Rehg et al. 05-1995 5,418,953 Hunt et al. 06-1995 5,423,040 Epstein et al. 5,742,821 04-1998 Prasanna 5,826,080 10-1998 Dworzecki 6,490,612 12-2002 Jones et al. 09-2004 6,792,445 Jones et al. 6,253,372 06-2001 Komatsu et al.

FOREIGN PATENT DOCUMENTS						
		Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines,	
Examiner Initials*	Cite No. ¹	Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)	MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	T
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OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite, No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	τ²		
		Al-Mouhamed, M., "Lower Bound on the Number of Processors and Time for Scheduling Precedence Graphs with Communication Costs", IEEE, December 1990			
	**************************************	Samadzadeh, F. et al., "A Heuristic Multiprocessor Scheduling Algorithm for Creating Near-Optimal Schedules Using Task System Graphs", ACM, 1992			
<u>, , </u>		Prasanna, G.N., et al., "Generalized Multiprocessor Scheduling for Directed Acylic Graphs", IEEE, 1994			
**************************************		Kwok, Y. et al., "Static Scheduling Algorithms for Allocating Directed Task Graphs to Multiprocessors", ACM, December 1999			
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p-951 (PAA) 99 (M) PAANAJAT I NA AANA JAANIMIN 909 MARANA					

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